

CORE DESCRIPTION

PL-1-486

532'-537'

(3% Recovery, RQD does not apply)

Santa Fe Group:

Pale red (10R 6/2) dry, grayish red (5R 4/2) wet, poorly-sorted, moderately consolidated litharenitic pebble conglomerate. Clasts consist of subangular to subrounded andesite, limestone, sandstone and chert which range in size from fine-grained sand to pebbles up to 1-inch in diameter. Matrix is composed of silt, carbonate minerals, and clay (?). Clasts appear to be cemented with carbonate. Bedding is defined by 1-inch thick layers which are grain-supported and alternate with 1-inch thick layers which are matrix-supported. These beds may represent graded bedding, but the sample is too small to be certain. No fractures are present.

Visual porosity is estimated at 10% to 15%. This rock appears to be highly transmissive and permeable and will likely transmit large quantities of water.